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T/VIII/M-4
12 January 1965

UNITED STATES INTELLIGENCE BOARD
COMMITTEE ON DOCUMENTATION

TASK TEAM VIII - PHOTO CHIP

Minutes of the Fourth Session, 1-2-3 December 1964

Members or Their Representatives Present

DIA
CIA

Chairman

ARMY

- Lt. Col. James L. Mylar
- Mr. Ben Adams
- Mr. Walton Tiedeken, GIMRADA

AIR FORCE

- Maj. Edward L. Sooy
- Maj. Melvin E. Tiemann, SAC
- Capt. William L. Turner, FTD

NAVY

- Mr. Herbert Lord, NRTSC

CSS

Secretary

1. FTD Tour and Briefings. We landed at Wright Patterson Air Force Base 30 minutes behind schedule, due to a late start and headwinds. The balance of the working day was spent receiving briefings (a) on the mission and operations of the Foreign Technology Division (FTD); (b) on the aims, procedures and problems of foreign technology reporting; (c) on a tour and briefing on FTD's [redacted] and (d) on the Team's initial work meeting. During the next two days, the Team examined: the FTD photographic exploitation operation; the experimental photo chip system and the associated equipments on-site, on order and under plan; and the operating Air Force machine translation system for Russian language documents, with which the CIA Foreign Documents Division (FDD) has a cooperative agreement to trade raw translations for finished editing services. In addition, the Team received briefings demonstrating the techniques used in exploiting all sources to meet the FTD responsibilities

USAF and DIA review(s) completed.

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and the substantive output regarding the Soviet ICBM, IRBM, and the latest Soviet submarine launched missile.

(NOTE - A more detailed account of the FTD tour, written by Capt. William Turner, will be issued shortly as a reference paper.)

2. Working Session. The minutes of the last meeting were noted. The Chairman briefed the Team on the CODIB review of the DRAFT Photo Chip Terms, and read from the official CODIB minutes to explain the particular points addressed by CODIB. The Secretary called attention to USIB-D-24.6/1 and attachment outlining the Middle East Task Force Report by Mr. John Bross, Assistant Director, CIA, for National Intelligence Programs Evaluation. The paper was cited as an example of one approach being taken by those responsible for reviewing the overall effectiveness and efficiency of the Intelligence Community, and its self-review and self-management mechanisms. Considerable interest was expressed in the report, itself. The Secretary agreed to explore the possibility of procuring copies for the next meeting. Lt. Col. James Mylar, Executive Secretary to ISCIG, distributed copies of a DIA proposal for an accession numbering system to be included in the DoD standard film chip design proposal.

3. The Chairman called attention to the need to forward plan for the next several meetings to make sure the least time is lost over the traditional year-end holidays. He recalled that our tentative plan was to visit the Navy's shipborne intelligence chip system in conjunction with the next Photo Chip session some time in January, 1965, with the following session at SAC, with a stop-off tour of the ACIC photo chip related activities in St. Louis. The best time to visit selected firms in the fields of general acquisition R&D, film chemistry, chip handling equipment and electro-mechanical-electronic gear combinations was also discussed with vigor. Out of these discussions arose a two-faceted consensus, first that we should exhaust our Community knowledge before contacting selected firms in the various fields; second, that we should press for an early on-site inspection of the Navy's IOIS, with the next regular meeting to be held at NPIC early in January, if the IOIS tour is deferred.

4. The Chairman then cited the following aims for this session:

a. To complete the working papers under way, with particular reference to what had been gained from the examination of FTD's exploitation of photographic information and related materials, the techniques and approaches used, and the FTD general information processing system concept and operation.

b. To reach, as a primary objective of the session, clear identification of the parameters which affect the selection of a standard chip and the development of a

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standard chip system for the Community. The Chairman commented that the parameters so defined could be assessed individually in studies and that through these studies we could then reach a fuller understanding and evaluation of the constraining factors that could influence the selection of a standard chip size and design.

c. The review of selected working papers produced at the last meeting.

The Team was then divided into four working groups, with initial assignments (a) to draft a paper outlining the estimated impacts (advantages and disadvantages) of any chip design change on the existing Army-Navy-Air Force Chip systems; (b) to draft a request to NPIC to undertake two research projects in support of the Task Team on technical aspects of coverage; (c) to outline a systems analysis study of the Photo Chip problem; and (d) to draft a parameters paper on the Photo Chip problem for general guidance. The Chairman and the Secretary undertook the task of starting the revision of the Terms according to CODIB guidance. The Chairman also volunteered to scan the results of the bibliographic run made for us by the Defense Documentation Center on various aspects of photographic interpretation and processing systems, and to brief the Team on the results at the next meeting.

5. The Team discussed at some length the vital need to have knowledge of the technology of upcoming acquisition systems. It was unanimously agreed that such knowledge is vital to the development and design of a chip system that will minimize the chance of being prematurely outdated by the time it comes into operation. A draft statement of minimum needs was produced and the Chairman and the Secretary agreed to explore the possibilities of obtaining such knowledge through appropriate channels and to report the results at the next meeting.

6. The Chairman again pointed out the importance of assuring participation by TAC/AIR and ACIC as the Photo Chip inquiry proceeds. The Secretary agreed to notify all participants by cable of the time and place of the next meeting as soon as this is determined. A tentative agenda for the next meeting is attached.

Secretary

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Attachment: A/S

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Tentative Chip Agenda

1. Minutes notation.
2. Report by the Chairman on the status of the Terms, on his assessment of the DDC bibliographic run, and on efforts to assure the team access to the technologies of upcoming acquisition systems as they relate to the Photo Chip problem.
3. Review of papers produced at the last two sessions.
4. Report by the Secretary on security considerations regarding working papers produced by the team.

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TASK TEAM VIII REFERENCE PAPERS

1. USIB-M-322, 29 April 1964
2. Special ISCIG Committee for Standardization of Plans and Devices for Storage and Retrieval of Reconnaissance Materials, 10 June 1963.
3. Staff for Community Processing Study (SCIPS) Stage I Report 25X1
4. Selected ISCIG Papers.
5. DDC Bibliographic run on photographic interpretation and photo chip systems.
6. GIMRADA (US Army Geodesy, Intelligence and Mapping Research and Development Agency) Organization and Mission, Orientation, Operating Schedule FY 1965, use of maps in Military Display Systems, and MICROMAP Reproduction.

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